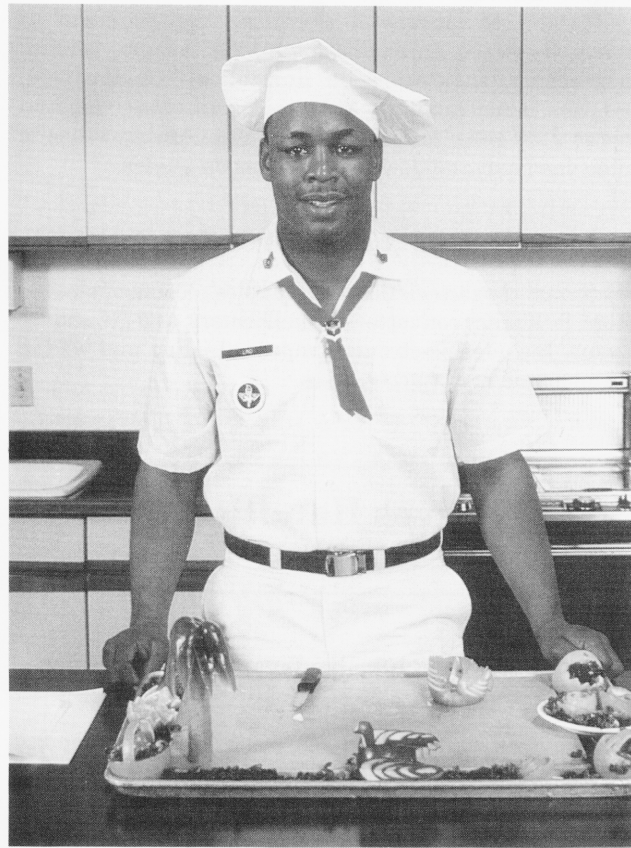


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## Food Service

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### **FDS 1615 Food and Beverage Preparation**

Preparation of basic menu items using current culinary techniques; includes use of spirits and wines in gourmet dishes or for service.

### **FDS 1805 Introduction to Food Preparation**

Principles and techniques of quantity food preparation. Includes meat, poultry, and seafood identification, grading, and preparation; cooking terms; seasoning agents; weights/measures; recipe conversions; and food quality.

### **FDS 1810 Food Service Techniques**

Methods and principles of food service techniques. Includes standard food service publications; employee, customer, and contractor duties and relationships; sanitation; nutrition; preparation and use of subsistence records; accounting for meals served storeroom procedures; and catering of flight and missile crews.

### **FDS 1811 Dining Hall Operations**

Operations of standard cafeteria facilities and meal preparation in central kitchen concept; includes breakfast, lunch, dinner, and short order preparation and service.

### **FDS 1812 Introduction to Baking**

Preparation of breads and pastries; fundamentals of nutrition, procurement, storage, and recipe breakdown; sanitation; and equipment as related to bakery products and operations.

### **FDS 2620 Food Facilities Management**

Administration of dining room facilities and clubs. Includes supervisory principles, organization of dining rooms and staff, interpersonal relations, customer relations, and food-serving principles.

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## Finance

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### **FIN 1107 Basic Accounting**

Accounting principles with practice in preparing accounting reports and transactions; types of journals; posting to accounts; charting accounts; and preparation of vouchers, inventories, and cash controls.

### **FIN 1108 Financial Management**

Basic concepts of business law, contracting, finances, accounting, reporting, insurance, and legal problems.

### **FIN 1109 Budgeting**

Formulation of budgets at various organizational levels. Capital cost, operating expenses, and computations, including validity and credibility, priorities-program balance, budget execution plans, funding distribution and flexibility, fiscal control, management controls and reports, and fiscal year closeouts.

### **FIN 1113 Introduction to Financial Analysis**

Financial statement analysis; includes preparation of financial statements and horizontal, vertical, and ratio analysis.

### **FIN 1116 Automated Accounting Systems**

Concept and operation of automated accounting systems; includes analysis of source documents, systems output, coding, and processing of accounting transactions.

**FIN 1119 Financial Planning**

Basic principles of financial planning; includes development of fund requirements for personnel non-personal services, materiel, and travel budget functions.

**FIN 1122 Introduction to Accounting and Finance**

Functions and responsibilities of accounting and finance systems used in Governmental operations.

**FIN 1123 Travel Pay Accounting**

Computation travel allowances; includes permanent change of station, dependent travel entitlements, dislocation, temporary duty, movement of mobile homes, and leave accounting for travel generated leave.

**FIN 1124 Paying and Collecting Procedures**

Policies and procedures for payment and collection of funds; includes pay-agent operations, cashier operations, check payments, foreign payments, and accounting systems used for payment and collection functions.

**FIN 1125 Military Pay Accounting**

Policies and procedures for military pay systems; includes determination of pay entitlements, deductions, allowances and leave. Preparation and control of military pay documents pertaining to each type of pay transaction.

**FIN 1126 Government Funds and Systems**

Treasury funds and accounting systems used by Department of Defense; includes accounting structure and computer codes, general governmental accounting systems, general ledger accounting systems, and reporting procedures. Practical experience in addressing and posting internal accounting records, batch processing, and nonremote direct input of data for accounting records.

**FIN 1127 Commercial Services Accounting**

Accounting procedures used in disbursement, collection, and transaction processing of commercial services. Includes individual orders; accrued expenditures; and open allotment/open budget transactions pertaining to commitments, obligations, and payments.

**FIN 1128 Materiel Accounting**

Recognition and application of disbursement, collection, and transaction processing of materiel items with special emphasis on automated materiel accounting systems.

**FIN 1129 Accounts Control**

Recognition and application of military personnel, civilian payroll, and supply cost systems; includes daily audit/reconciliation and preparation of monthly/ quarterly/ annual financial statements and reports.

**FIN 1130 Civilian Pay Accounting**

Policies and procedures applicable to civilian pay operation; includes types of entitlements/deductions, processing permanent and temporary changes, voucher and payroll preparation, time-and-attendance procedures, leave processing, mechanized procedures, and reports. Emphasis is on accounting and distribution procedures.

**FIN 2101 Managerial Accounting**

Advanced managerial accounting for planning and controlling. Includes managerial theories and practices of cost accounting, standard cost systems, distribution analysis, and budgeting.

**FIN 2114 Automated Accounting**

Advanced computerized methods, including applications, data elements and codes, established records, remote operations, batch and interface processing, accounting and finance outputs, and system recovery procedures.

**FIN 2115 Advanced Automated Materiel Systems**

Computerized materiel accounting systems; includes categories and sources of inventory, local procurement, disbursement transactions, issues, turn-ins, receipts of materiel, accounting and finance adjustments, systems failure and recovery, and practical application to materiel systems.

**FIN 2116 Cost and Economic Analysis**

Application of concepts and techniques of cost and economic trend analysis. Includes data collection methods; establishment of cost, performance, and operational standards; and analysis of cost, fiscal, and related accounting reports to develop cost and economic trends and performance indicators.

**FIN 2119 Resource Management Accounting Systems**

Organization and functions of base-level accounting and finance office and various accounting systems used in base-level accounting.

**FIN 2120 Automated Comptroller Systems**

Practical applications of automated systems used in Government comptroller function; includes information retrieval, data design/development with emphasis on organizational structure, automated data programs acquisition, and legal constraints.

**FIN 2122 Advanced Accounts Control**

Management of major treasury funds. Includes analysis of authorization process; methods to control public funds; availability periods and status of appropriations; components in expenditure and collection accounting; general accounting procedures for receipts (general, special, trust); deposits and reimbursement (revolving, open); and refund accounts.

**FIN 2123 Advanced Pay**

Policies and procedures for payment of personnel with emphasis on management functions and responsibilities associated with compensation systems; includes terms of pay, deductions from pay, collections, leave accounting, and management quality assurance programs.

**FIN 2124 Advanced Travel Pay Accounting**

Accounting procedures applicable to travel pay entitlements.

**FIN 2125 Advanced Commercial Services Accounting**

Policies and procedures applicable to disbursement, collection, and transaction processing of commercial services.

**FIN 2128 Advanced Civilian Pay Accounting**

Functions and responsibilities of automated civilian pay operations; includes computation of pay, entitlements/deductions, permanent and temporary changes, voucher/payroll preparation, time-and-attendance procedures, supplemental offline payments, master pay and retirement records.

**FIN 2129 Advanced Budgeting**

Planning, programming, and budgeting system for resource management and scope of responsibility in financial planning and management. Includes Federal budget cycle and accounting system for operations and working capital funds. Formulation of budgets at various organizational levels, exercises in capital cost, operating expenses and computations, including validity and

credibility, priorities-program balance, budget execution plans, funding distribution and flexibility, fiscal control, management controls and reports, and fiscal year closeout.

**FIN 2130 Advanced Operating Budget Development**

Principles and procedures of operating budget development, including practical exercises in zero-based budgeting, distribution of approved funding, and techniques for budget presentation.

**FIN 2131 Advanced Financial Planning**

Principles and concepts of financial planning, funding documents and limitations, funds management, funds status, program analysis, and fiscal year-end financial closeouts.

**FIN 2132 Advanced Automated Travel Record and Accounting System**

Analysis of travel fund accountability and mechanized travel accounting system; includes procedures for batch processing, direct input and non-remote subsystems, transaction responses, and management products in day-to-day operation of travel accounting.

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**Fire Protection**

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**FIP 1804 Structural Firefighting**

Principles and techniques of structural firefighting. Includes practice in operation of various equipment and related components, such as vehicles, pumps, ladders, and hose assemblies. Identification and use of protective clothing and ability to apply structural firefighting tactics.

**FIP 1805 Aerospace Vehicle Firefighting**

Principles and techniques of aircraft firefighting. Includes aircraft arresting systems, their operation and inherent hazards; ability to employ onscene and rescue operations; operation, inspection, and maintenance of firefighting vehicles; use and care of protective clothing; and response to emergencies and aircraft approach exercises.

**FIP 1806 Vapor and Fire-Detection System**

Operation and maintenance of the following fire detection systems: main propulsion and fuel cell, liquid hydrogen warning; hypergol hazard warning; portable vapor detectors; and vehicle hazardous gas detection.

**FIP 1807 Fire-Protection Fundamentals**

Fire-protection mission and organization, alarm room procedures, portable extinguishers, security, safety, prevention, inspection, and hazardous materials.

**FIP 2100 Advanced Fire-Alarm Systems**

Operation and maintenance of fire-alarm and suppression systems and development of related inspection checklists; includes practical experience in connecting, testing, troubleshooting, and repairing electrical/electronic portions of representative fire-detection, alarm, and suppression systems.

**FIP 2807 Hazardous Materials**

Protection of hazardous and explosive materials; includes firefighting techniques, propellants used in rockets and missiles, planning for disasters, use of special purpose equipment, and security education programs.

**FIP 2808 Fire Service Rescue**

Principles of rescue. Includes use of protective clothing and equipment, emergency first aid, and rescue tools; aircraft fundamentals; building construction; egress systems; pressure suits; and rescue vehicles and equipment.

**FIP 2810 Firefighting Vehicle Systems**

Inspection and operation of special purpose vehicles and fuel, electrical, air, hydraulics, heating and cooling, drive train assembly, and firefighting systems. Includes operator maintenance on crash firefighting and rescue vehicles.

**FIP 2812 Fire Investigation Technology**

Fire investigation procedures and requirements; includes legal aspects of fire investigations, nature and behavior of fire, flammable gases, classification of fire causes, building

collapse hazards, incendiary fires, automotive and structural fire investigations, and role of firefighters in fire investigations.

**FIP 2815 Fire-Prevention Inspecting**

Advanced analysis of various functions of technical services branch of fire-protection organization; includes building and facilities engineering and design criteria for installed and portable fire-protection systems, funding and programming, and administrative and inspection procedures.

**FIP 2816 Advanced Fire-Protection Technology**

Command and control ground fire operations; includes structural and aerospace vehicle situations, tactics and strategies of ground fire operations, hazardous materials incidents, preplanning for contingency operations, and innovative technology for fire-protection career field.

**FIP 2817 Fire-Protection Management Principles**

Fire operation activities; includes supervision and coordination of personnel, facilities, equipment, labor relations, publications, and records management.

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## **Fabric, Leather, and Rubber Products**

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**FLR 1103 Sewing Principles**

Sewing machine operation; includes sewing finished projects.

**FLR 1104 Sewing Machine Maintenance**

Inspection, timing, adjustments, troubleshooting analysis, and major overhaul of sewing machines. Includes 31-15, 111W series, Consew 206B series; and special sewing machines 7-33, 47W70, and 143W2.

**FLR 1107 Automatic Parachutes**

Principles of automatic back, seat, and chest parachutes; includes describing automatic ripcord release, preparing/assembling automatic parachutes, and servicing chutes in accordance with technical publications.

**FLR 1108 Basic Life-Support Equipment**

Life-support test equipment for anti-G garments, aircraft oxygen systems, and protective helmets; safety procedures; and physiological effects of flight.

**FLR 1109 Inspection and Use of Life-Support Equipment**

Inspections and maintenance of personal parachutes, liferafts, survival kits, protective helmets, oxygen survival systems, life preservers, full pressure suits, and anti-exposure suits and use of life-support equipment to aircrew members.

**FLR 1112 Advanced Life-Support Equipment**

Use of survival kits, survival equipment, and emergency oxygen systems; installation, removal, and inspection of parachutes; and egress and canopy systems.

**FLR 2115 Advanced Parachute Packing**

Inspections and packing of F-/RF-4 parachutes; includes personal, drogue, and deceleration parachutes. Removal and installation of F/RF-4 parachute assemblies.

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## Food and Nutritional Science

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**FNS 1301 Basic Medical Food Service Administration**

Supervision and training of medical food service personnel and security and maintenance of forms, records, and medical materiel.

**FNS 1302 Nutrition and Diet Therapy**

Principles of normal nutrition, metric system, food nutrients, and digestion and absorption; includes recommended daily allowances, therapeutic nutrition, and professional and patient relationships.

**FNS 2301 Advanced Medical Food Service Administration**

Personnel management and scheduling, management of training programs, professional conduct, administration of funds and budget, and medical materiel procurement procedures in a medical food service department.

**FNS 2302 Advanced Nutrition and Dietetic Therapy**

Medical and dietetic terminology, nutrition, food nutrients, digestive system, recommended dietary allowances, applied clinical nutrition, patient interview, and diet instructions.

**FNS 2303 Subsistence Management**

Menu planning and budgeting, standardized recipes, food supply management, quality food standards, and mass feeding procedures during disasters.

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## Family Support Center

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**FSC 1101 Family Support Center Management**

Introduction to operation and services of the family support center. Includes leadership, management, administration, evaluation, and marketing of support programs and services.

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## Foreign Technical Language

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**FTL 1401 Intermediate Technical Russian**

Application of technical vocabulary and language used to describe military equipment, operations, and control procedures. Emphasis on development of skills necessary to translate oral communications and written materials. Prerequisite: completion of resident language course or demonstrated proficiency.

**FTL 1404 Intermediate Technical Vietnamese**

Application of technical vocabulary and language used to describe military equipment, operations, and control procedures. Emphasis on development of skills necessary to translate oral communications and written materials. Prerequisite: completion of resident language course or demonstrated proficiency.

**FTL 1405 Intermediate Technical Spanish**

Application of technical vocabulary and language used to describe military equipment, operations, and control procedures. Emphasis on development of skills necessary to translate oral communications and written materials. Prerequisite: completion of resident language course or demonstrated proficiency.

**FTL 1406 Intermediate Technical Arabic**

Application of technical vocabulary and language used to describe military equipment, operations, and control procedures. Emphasis on development of skills necessary to translate oral communications and written materials. Prerequisite: completion of resident language course or demonstrated proficiency.

**FTL 1409 Intermediate Technical Korean**

Application of technical vocabulary and language used to describe military equipment, operations, and control procedures. Emphasis on development of skills necessary to translate oral communications and written materials. Prerequisite: completion of resident language course or demonstrated proficiency.

**FTL 1410 Intermediate Technical Hebrew**

Application of technical vocabulary and language used to describe military equipment, operations, and control procedures. Emphasis on development of skills necessary to translate oral communications and written materials. Prerequisite: completion of resident language course or demonstrated proficiency.

**FTL 1412 Intermediate Technical Persian-Farsi**

Application of technical vocabulary and language used to describe military equipment, operations, and control procedures. Emphasis on development of skills necessary

to translate oral communications and written materials. Prerequisite: completion of resident language course or demonstrated proficiency.

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## Fuel Service

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**FUS 1501 Fuel Systems Maintenance Laboratory**

Application of fuel system equipment; includes manual valves, pumps, gauges, pipeline, hand and specialized tools, bonding and grounding, and fluids and hydraulics.

**FUS 1503 Hydrant Systems Maintenance**

Operation, inspection, and servicing of original/modified Panero and Pritchard hydrant systems; includes loading/offloading facilities, filters and separators, gauges, valves, and strainers.

**FUS 1507 Fuel Subsystems (Mechanical)**

Operation, inspection, and maintenance of fuel mechanical subsystems; includes tanks, filtration equipment, meters, and loading/offloading equipment.

**FUS 1508 Specialized Fuel Systems and Tank Entry**

Identification of components of Type III Phillips system and motor vehicle fueling system. Principles of troubleshooting, inspecting, and operating. Procedures for tank entry and deactivating fuel systems.

**FUS 1509 Fuel Hydrant and Air Transportable Systems**

Operation and maintenance of permanently installed hydrant and air-transportable systems to include Panero and Pritchard hydrant and application of hydrant accounting relative to transferring, receiving, issuing, and defueling.

**FUS 1511 Aerial Bulk Fuel Delivery**

Principles of loading and unloading bulk fuel delivery systems used in cargo aircraft.

**FUS 1601 Operation of Mechanical Fuel Dispensing Systems**

Extensive practice in operating various refueling systems that receive, issue, and transfer fuel; systems include mechanical, hydrant, and portable units. Includes application of petroleum product quality control procedures.

**FUS 1602 Operation of Fuel Servicing Vehicles**

Operation of various fuel servicing vehicles, associated components, and hose carts; includes practice in driving and application of procedures used to service various aircraft with fuel and related expendable.

**FUS 2503 Fuels Analysis**

Analysis of fuels using color and practical assessment, matched weight monitor, undissolved water content of aviation fuels, heavy hydrocarbon contamination test, fiber determination, conductivity testing, bottle method, aircraft sump samples, flashpoint, and fuels system icing-inhibitor testing.

**FUS 2504 Air Transportable Hydrant Refueling Systems**

Operation and maintenance of various air-transportable fueling systems that receive, issue, and transfer fuel. Includes implementation of petroleum product quality control procedures.

**FUS 2601 Quality Control of Aircraft Fuels**

Application of quality assurance principles. Includes identification of contamination sources; sampling methods and use of equipment; laboratory hygiene and safety standards test intervals; and practice in testing for solids, water, conductivity, fuel system icing inhibitor, potential hydrogen odor, and flashpoint.

**FUS 2602 Fuel Storage Facilities Maintenance**

Application of complex maintenance techniques and repair procedures for filtration equipment, electrical controls, pumps, and conventional hydrant fuel systems.

**FUS 2603 Fuel Stock Fund Accounting**

Application of stock fund accounting principles; includes facilities operation, inventory management, implementation of administration procedures, quality assurance of facilities operation, and implementation of management information system using remote computer terminals.

**FUS 2607 Fuels Management**

Application of advanced techniques for planning, organizing, directing, and coordinating fuels activities involving personnel, facilities, and equipment. FUS 2608 Petroleum Tank-Cleaning Supervision

Supervision of tank-cleaning operations. Tank acceptance, precleaning, and safety equipment inspections. Procedures for tank entry, cleaning, and return to service. Analysis of tank preventive maintenance records and "as build" drawings.

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**Applied Geography**

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**GEO 1403 Area Studies**

Geography, climatic characteristics, economic development, and military posture of a major area of interest. Emphasis on political and historical development of region of weapon systems deployment in relation to geographic limitations.

**GEO 1406 Third World Country Studies**

Geographic, political, and military aspects of Middle Eastern, Far Eastern, Latin American, and African countries.

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**Applied Government**

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**GOV 1406 Government Organization and Structure**

Structure of governmental organizations and service missions. Includes historical, geopolitical, economic, and military analysis. Emphasis is on military's support of political ideology.

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**Geophysical Sciences**

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**GPS 1402 Seismic Analysis**

Procedures and methods required to analyze seismic observations, such as identification and application of seismic travel time charts and tables, event types, and distance ranges; includes teleseismic, special, deep-event, regional, and near-regional/local analyses.